

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 05/19/2022 08:54 AM
Cytometer Baseline: 01/20/2022 09:34 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 32272 **Expiration Date:** 09/30/2022
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124448	-1	1.69	124335	1.68
Blue	F	SSC	125000	123619	-2	2.98	124095	2.87
Blue	E	FITC	13602	13201	-3	2.51	369	13.79
Blue	D	PE	24891	24550	-2	1.85	585	10.15
Blue	B	PerCP-Cy5-5	33972	33247	-3	3.12	948	14.98
Blue	A	PE-Cy7	22865	22897	0	5.01	479	30.54
Red	C	APC	47198	46624	-2	2.59	1611	11.29
Red	A	APC-Cy7	26454	25727	-3	2.96	728	12.23
Violet	B	V450	6737	6427	-5	3.88	447	11.86
Violet	A	V500	29317	28233	-4	3.46	964	8.89

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23884	3.04	563	28	N/A	N/A	Pass
Blue	F	SSC	55578	2.32	521	0	N/A	N/A	Pass
Blue	E	FITC	55	57.02	488	4	0.0434	215	Pass
Blue	D	PE	114	38.92	491	5	0.5054	420	Pass
Blue	B	PerCP-Cy5-5	148	42.77	585	6	0.0200	109	Pass
Blue	A	PE-Cy7	78	80.87	629	8	0.0222	3	Pass
Red	C	APC	337	25.85	574	2	0.0296	232	Pass
Red	A	APC-Cy7	137	35.11	552	1	0.0065	1579	Pass
Violet	B	V450	76	46.71	450	0	0.0481	1833	Pass
Violet	A	V500	113	34.32	470	1	0.0227	1149	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.98	-31.83	1.05
Blue	20.35	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.43
Red	16.08	13.90 - 20.86	N/A	N/A	30.14	30.40	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 9875

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments